cisco

CONNECT
the unconnected

Cisco Connect
Rovinj, Croatia

Cisco Collaboration Update

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Agenda

Cisco Connect

- IP Phones Update
- Voice Gateway Update
- Business Edition Update
- Collaboration Edge Update
- Jabber Update
- Jabber Guest Update
- Webex Update
- Spark

IP Phones Update

IP Phone 8800 Series

Key features

Cisco Connect

	8811	8841	8851	8861
Display	800 x 480 Greyscale	800 x 480 WVGA (5”)		
Integrated Bluetooth			✔	✔
USB			✔ (1 port)	✔ (2 ports)
Smartphone USB Charging			✔	✔
Tablet USB Charging				✔ *
KEM Support			✔ (2 KEMs) **	✔ (3 KEMs) *
WIFI (802.11a/b/g/n/ac)				✔ ***
External Audio Port				✔
PoE Class	2	2	3	4

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IP Phone 8800 Series

New phone for accelerated pervasive collaboration

Cisco Connect

- **Full-Featured IP Telephony To Increase Personal Productivity**
- **Intelligent Proximity (8851 & 8861)**
- **Tablet and Smartphone charging**
- **Key Expansion Module (KEM)**
- **Telephony Feature Parity with 7900 and 9900-series**

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IP Phone 7800 Series

New phone for accelerate pervasive collaboration

Cisco Connect

- **Priced For Midmarket**
- **Full-Featured IP Telephony To Increase Personal Productivity**
- **Superior Audio Quality – Wideband Audio Support**
- **Lower Power Consumption – PoE Class 1**

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Cisco IP Phone 7811

Highest-Quality Voice Communications

Target FCS March 31st

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What's New?

- New single-line endpoint model
- High-resolution monochrome display
- Support for XML and CTI applications

Key Customer / Partner Benefits

- Affordable value for features
- Earth-friendly / low power consumption
- Common administration

www.cisco.com/go/ipphones/7800

Detailed customer & partner benefits are in notes section

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Voice Gateway Update

Cisco ISR 4000 Series - Unified Collaboration Scale

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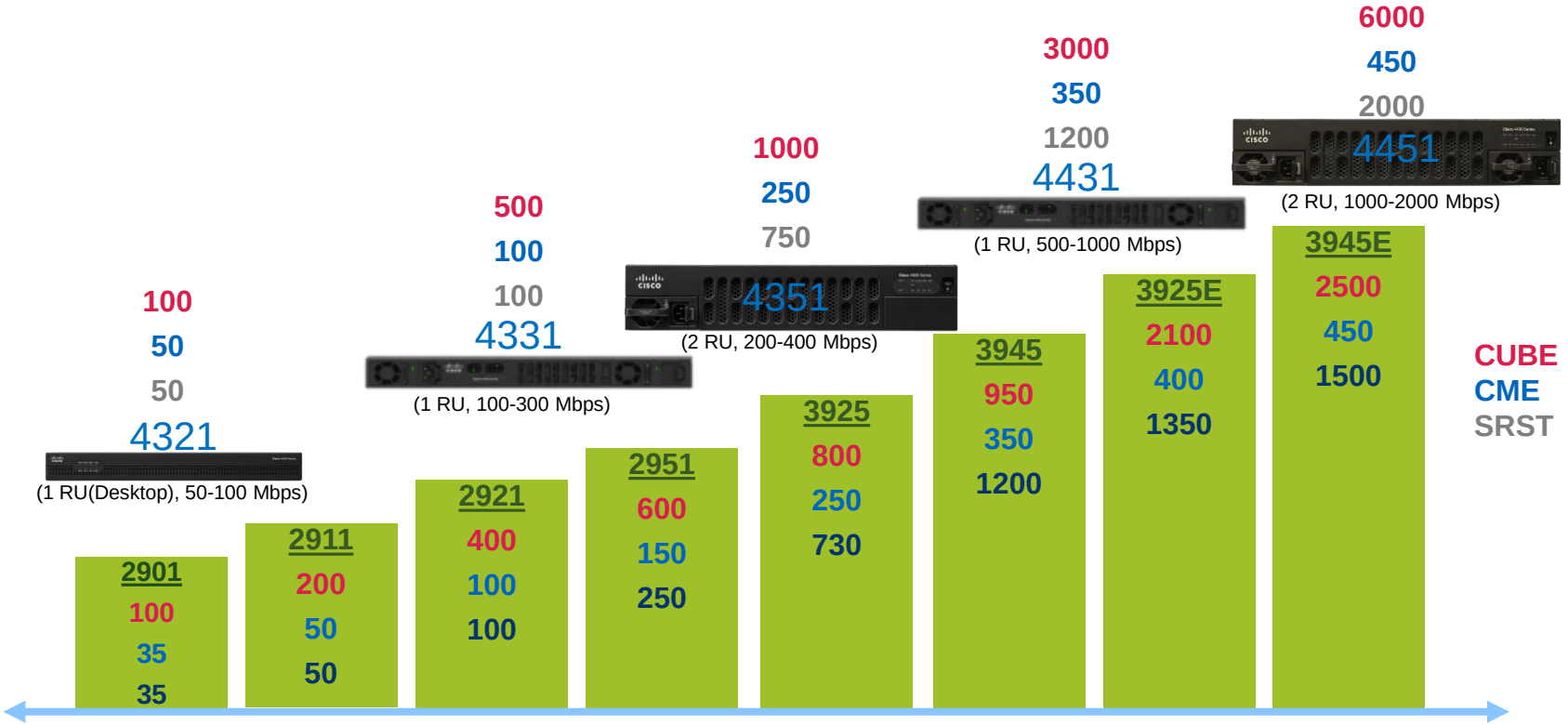

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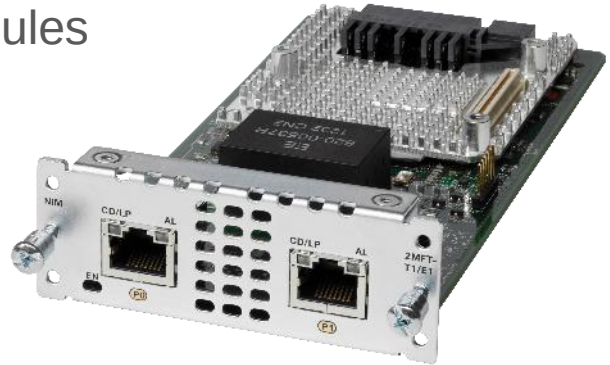
ISR 4K DSP Resources

- PVDM4 uses the same DSP as the PVDM3
  - Physically different form-factor
- Designed to fit on voice NIMs as well as platform ISC slot
- Platform DSP intended for CUBE
- Module DSP intended for transcoding
- Allows DSP resources to grow incrementally with modules
- Look for module+DSP value bundles



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Cisco Analog Voice Gateway Portfolio

Cisco Connect

Port Density

VG350

High Density Analog Gateway
96 – 160 Ports

NEW

VG310/VG320
24/48 Ports

VG204XM

VG202XM

Platforms

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Cisco VG310/VG320 Specification

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- VG310 and VG320 will have feature parity with VG350
- Fixed integrated FXS ports (Including OPX-Lite)
- VG224 is End of Sale from April 24th 2015.

Feature	Description
VG310 – 24 FXS Port VG	RoHS 6, 24 port (RJ21), 1 RU (Based on ISR G2 2901 hardware)
VG320 – 48 FXS Port VG	RoHS 6, 48 port (RJ21), 1 RU
1 EHWIC slot on VG310/320	Support E1/T1 CAS,PRI, BRI, FXS, FXO VIC2/VIC3 cards
OPX-Lite ports on VG310/320	# of extended loop length ports (8 and 4, respectively)
Processor (Platform)	High performance multi core processor (based on 2901 hardware)
Memory (default)	1GB DDR3, SDRAM (soldered down)
Compact Flash	256 MB
DSP (Default)	PVDM3-64 (VG310), PVDM3-128 (VG320) (Upgradable)

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Business Edition Update

Cisco Business Edition Portfolio

Now Serving Companies of Every Size

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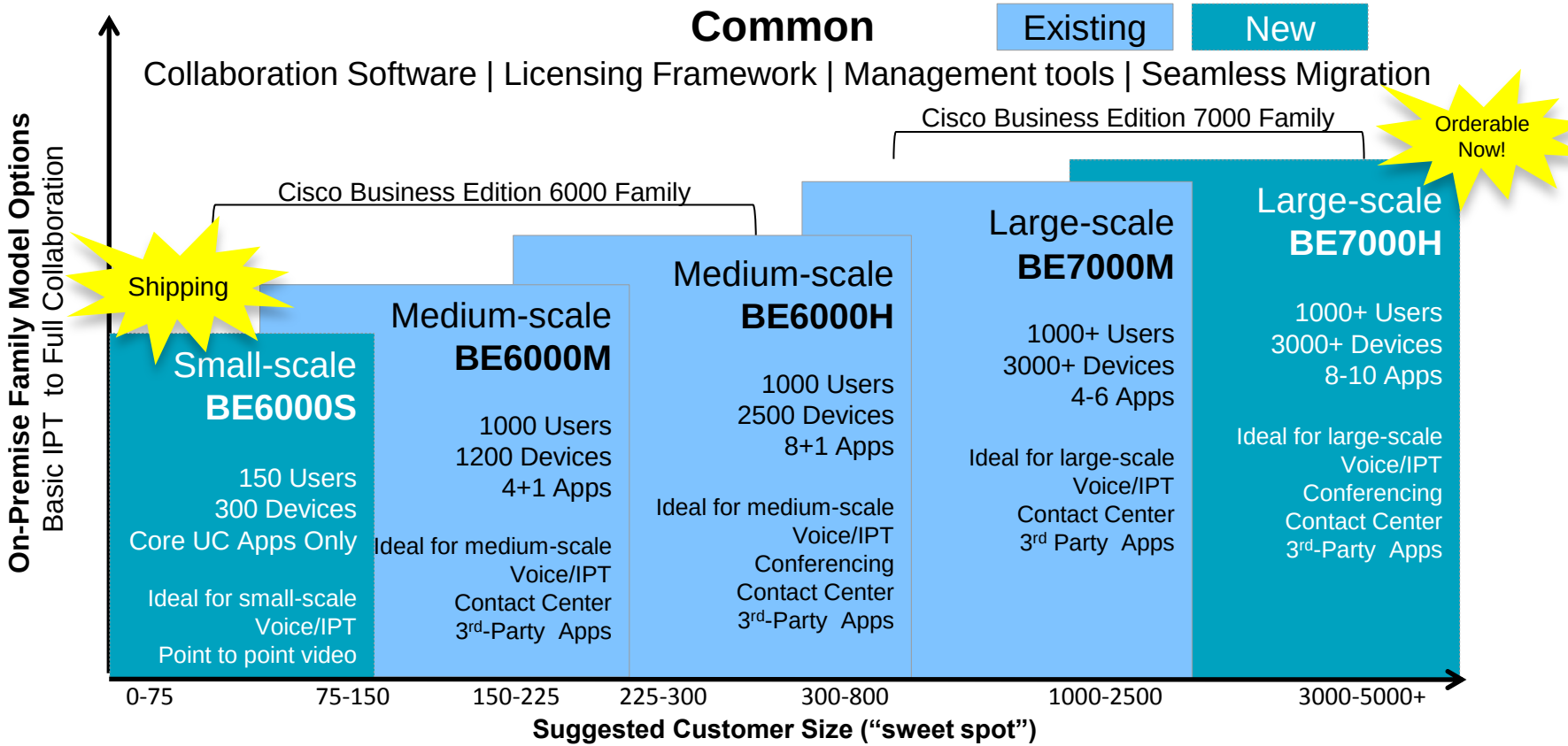

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Introducing: Cisco Business Edition 6000S

Packaged Collaboration Solution for Entry-level Voice/IPT Deployments

Cisco Connect

- The world's leading Security, LAN, WAN, Wireless and Collaboration packaged as an "Office in a Box"!
- New entry-level Packaged Collaboration Solution
  - Single box, small form-factor, integrated router, gateway & server
  - Maximum capacity 150 users and 300 devices
  - Target Opportunity: 25-75 users
- "Just right"
  - Same collaboration software as BE6000M - no feature gaps, same feature velocity
  - Same deployment process optimization as BE6000M
  - Right-sized & priced with easy migration and investment protection
- Rounds out portfolio
  - Increase appeal in <150 user space

Cisco BE6000S

Packaged for Smaller Customers

ISR 2921-V
PSTN interface ports
- 1xPRI, 4xBRI or 4xFXO
- and 10xCUBE sessions

UCS E160D M2
OEM VMware

Preloaded Apps:
- Prime Provisioning
- Communications Mgr
- Unity Connection
- IM&P
- Paging Server

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Turnkey Platforms, Many Application Options

Cisco Connect

Video Conferencing

Call Control CUCM

Voicemail Unity Connection

IM &P Jabber

Attendant Console CUAC

Paging Paging Server

Contact Center UCCX

Response CER

Control TP Conductor

Video TP Server

Scheduling TP Mgmt Suite

Recording TP Content Svr

Edge Expressway / VCS

Provisioning Prime Collaboration

BE6000 scale-up, single-server design

- Up to 1000 users, 2500 devices, 100 CCX agents
- Add second server for redundancy
- Preloaded with virtualization and application software
  - 1 RU MD model: 4 apps + 1 mgmt
  - 1 RU HD model: 8 apps + 1 mgmt
- Bundled 25-user license options included
- Purchase add-on user/apps licenses
- Single-ordering SKU (by server):
  - MD: BE6K-ST-BDL-K9= / BE6K-ST-BDL-XU=
  - HD: BE6H-M4-K9= / BE6H-M4-XU=

BE6000
UCS C220 M4 SFF
Rack Mount Server

BE7000
UCS C240 M4 SFF
Rack Mount Server

vmware
UC Virtualization

BE7000 scale-out, stackable design

- No solution capacity limits
- Add server(s) for more users, devices, applications
- Price-optimized for 4-6 apps per server supporting 1-5K users each
- Preloaded with virtualization and application software
- User and application licenses sold separately
- Single-ordering SKU:
  - MD: BE7M-M4-K9 / BE7M-M4-XU
  - HD: BE7H-M4-K9 / BE7H-M4-XU

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Simplification: Three Options

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Pre Loaded Images

“All BE6000 XU and BE70000 servers shipped with pre-deployed applications, ready to install”

Order

End User

Distributor CTO Service

“Have applications fully installed, ready to configure, from distribution”

Order

End User

Pre Configured Applications

“All BE6000 K9 servers shipped with pre-installed & configured applications”

Order

End User

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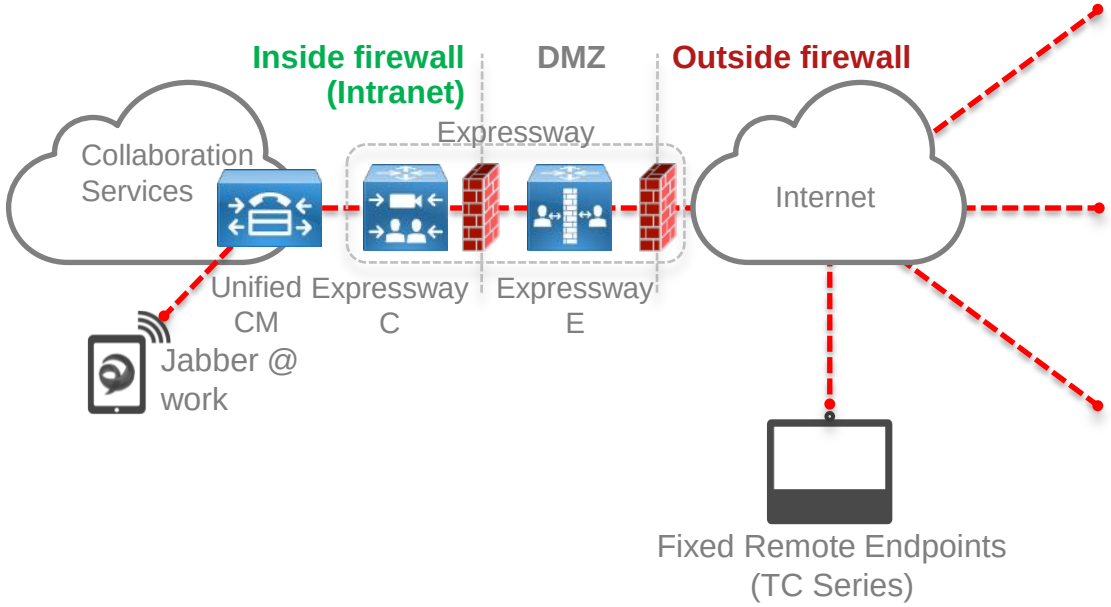
Collaboration Edge Update

Mobile and Remote Collaboration with Expressway



Jabber @ the café

Jabber @ Home

Jabber @ SFO, LHR or PVG

Simple, Secure Collaboration: It just works...inside and outside the network, no compromises

Easy to use, easy to deploy: Works with most firewall policies

True Hybrid: Supports on-premise and cloud offerings simultaneously

Standards-based Interoperability, Widely Adopted Protocols

Application Driven Security: Allow the application to establish security associations it needs

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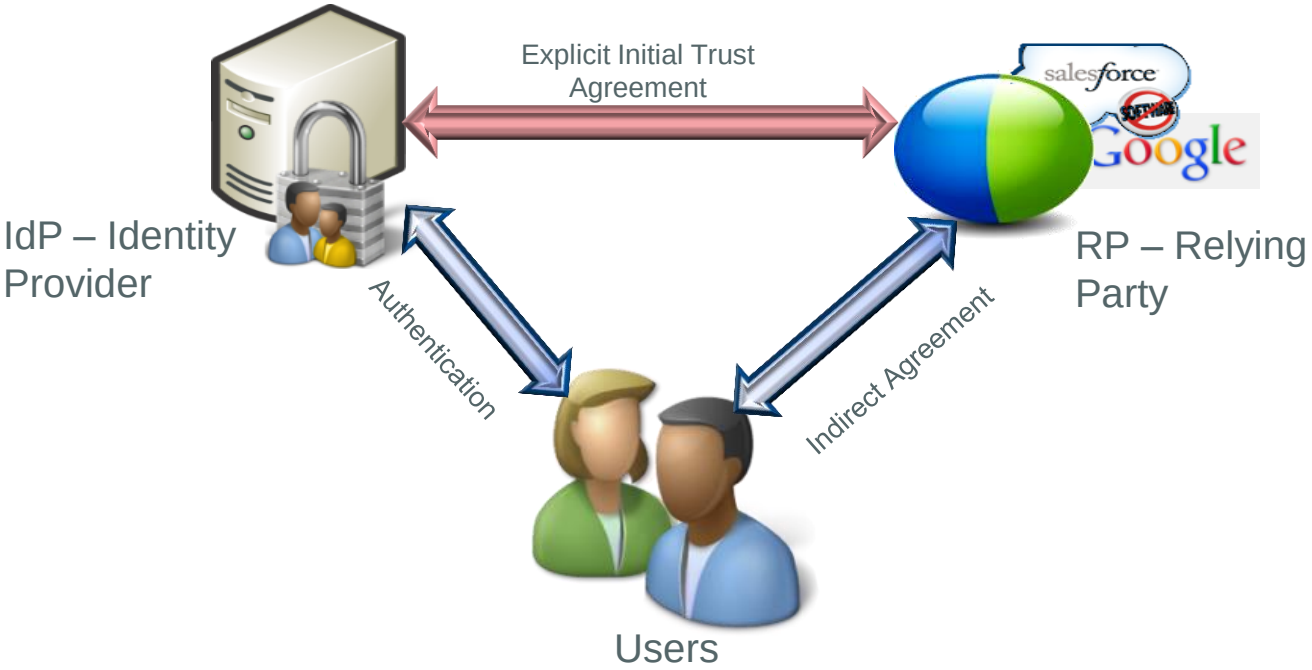
Identity Framework for Single Sign-On



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Cisco Public

What's involved with SSO and Edge?

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- Security Assertion Markup Language (SAML) v2 – open standards based protocols for user authentication
- Identity Provider (IdP) – Responsible for User Authentication
- OAuth - open standard based protocol for token based authorization
- Tokens & Cookies
- Export & import metadata to form trust relationships between IdP, Expressway, Unified CM, Unity Connection

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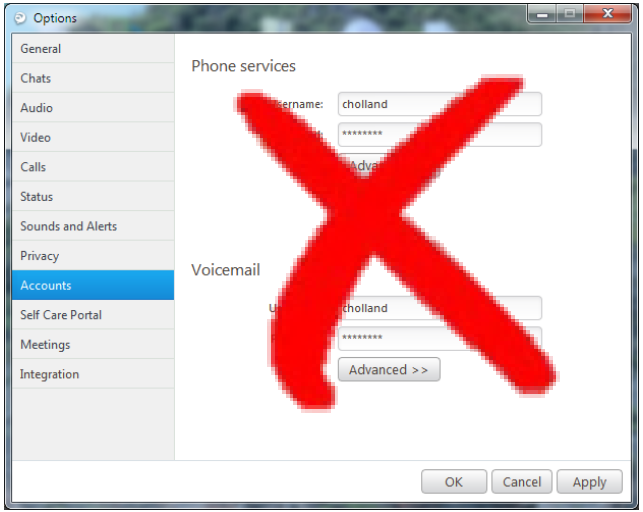
Single Sign On

Jabber 10.5 supports SAMLv2 based SSO

- Supported in cloud, on premise and hybrid deployments
- Supported with UC Manager 10.5 +
- Jabber users need to authenticate once with an Identity Provider (IdP) to gain authorisation and access to provisioned services
- Users no longer required to provide credentials multiple times for UC services
- Supported IdPs’
  - Ping Federate
  - Microsoft AD Federation Services (ADFS)
  - OpenAM
- Embedded browser (form based), Smart card and Kerberos Authentication supported



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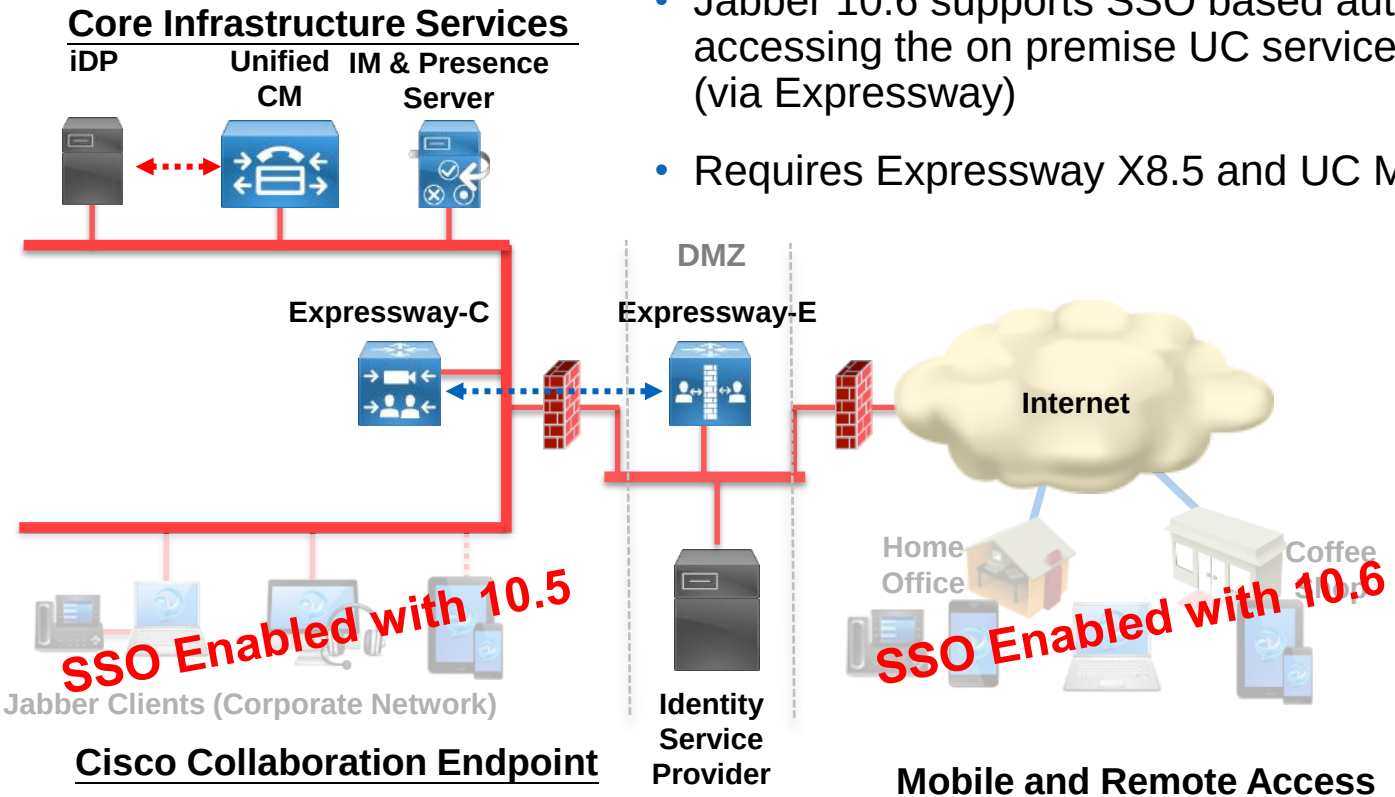
SSO and Mobile Remote Access



- Jabber 10.6 supports SSO based authentication when accessing the on premise UC services in MRA mode (via Expressway)
- Requires Expressway X8.5 and UC Manager 10.5.2+

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New Endpoint Support

Targeting first half CY15

TARGET DATES SUBJECT TO CHANGE

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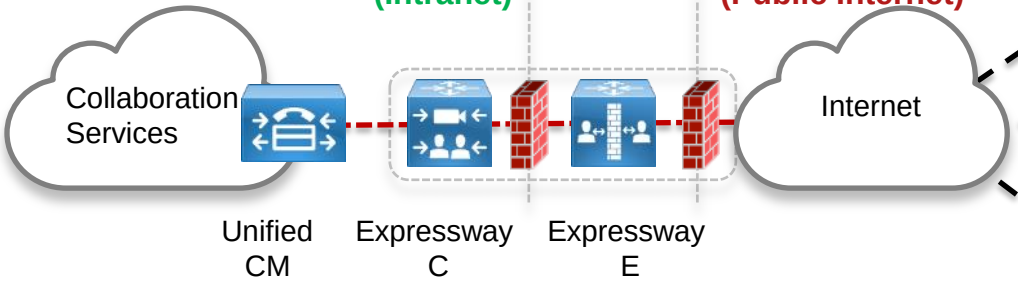

DX650, DX70, DX80

8811, 8841, 8851, 8861

7821, 7841, 7861

Component	Min Software Version	Projected Availability
Cisco Expressway (or Cisco VCS)	X8.5.x	Target 1H CY15
Unified CM	9.1(2) SU1	Available
7821, 7841, 7861 IP Phones	10.3.1	Target 1H CY15
8811, 8841, 8851, 8861 IP Phones	10.3.1	Target 1H CY15
DX650, DX70, DX80 Collaboration Endpoints	10.2.4	Target 1H CY15

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Expressway-E certificate requirements

DX, 78XX, 88XX specific requirements

- Trust model based on broadly trusted Public Certificate Authorities
- Endpoint firmware includes 135 trusted public root CA certificates
- No option to import and trust other root CA certificates on these endpoints
- Expressway-E certificate needs to be signed by trusted public CA

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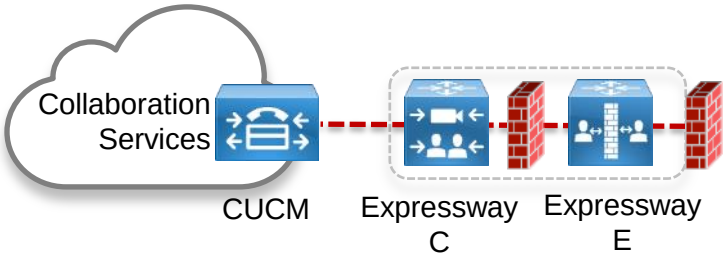
Combining features on a single cluster pair

Example #1



Open Video Federation supporting:
- SIP & H.323 (inbound & outbound)
- Outbound calling for CMR Cloud/Hybrid
- Inbound calling for CMR Premises

XMPP Federation

Mobile & Remote Access supporting:
- Cisco Jabber Desktop Clients
- Cisco Jabber Mobile Clients
- 7800 & 8800 Series IP Phones
- DX80, DX70, DX650 Collaboration Endpoints
- TC Series Telepresence Endpoints

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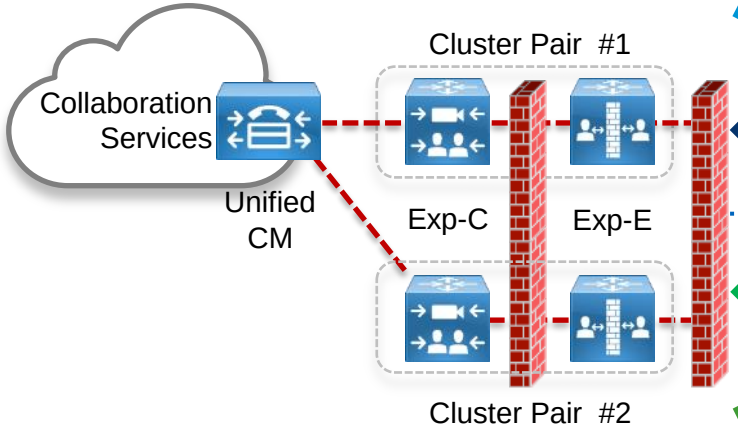
Combining features across two cluster pairs

Example #2



Open Video Federation supporting:
- SIP & H.323 (inbound & outbound calling)
- Outbound calling for CMR Cloud/Hybrid
- Inbound calling for CMR Premises

Jabber Guest Inbound C2B Video calling

XMPP Federation

Mobile & Remote Access supporting:
- Cisco Jabber Clients
- 7800 & 8800 Series IP Phones
- DX80, DX70, DX650 Collaboration Endpoints
- TC Series Telepresence Endpoints

Pool all RMS licenses on pair #1
No RMS requirements on pair #2

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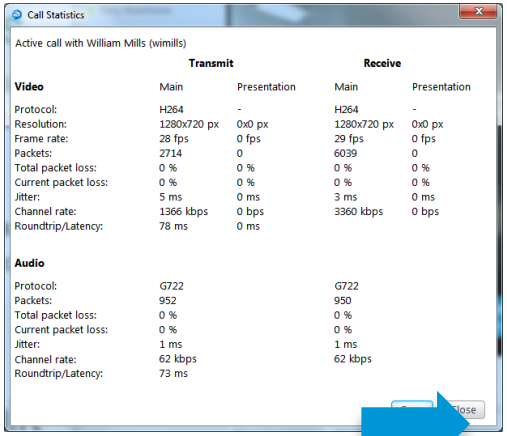
Jabber Update

Call Statistics & Self View

- Active Call Statistics available on all platforms
- Dynamically Updates
  - Audio
  - Video
  - Desktop Share
- Button to copy to Clipboard
- To launch…
  - Conversation window must be in focus
  - Ctrl + Shift + S
- Ability to move self view video window
- Ability to resize self view video window
- Position and size remembered after sign out of Jabber


Call Statistics
Active call with William Mills (wimills)
Transmit
Receive
Video
Main
Presentation
Main
Presentation
Protocol: H264 - H264 -
Resolution: 1280x720 px 0x0 px 1280x720 px 0x0 px
Frame rate: 28 fps 0 fps 29 fps 0 fps
Packets: 2714 0 6039 0
Total packet loss: 0 % 0 % 0 % 0 %
Current packet loss: 0 % 0 % 0 % 0 %
Jitter: 5 ms 0 ms 3 ms 0 ms
Channel rate: 1366 kbps 0 bps 3360 kbps 0 bps
Roundtrip/Latency: 78 ms 0 ms
Audio
Protocol: G722 G722
Packets: 952 950
Total packet loss: 0 % 0 %
Current packet loss: 0 % 0 %
Jitter: 1 ms 1 ms
Channel rate: 62 kbps 62 kbps
Roundtrip/Latency: 73 ms

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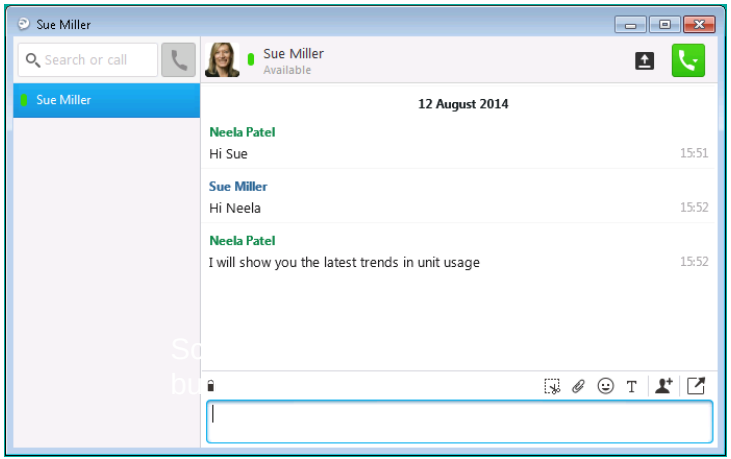
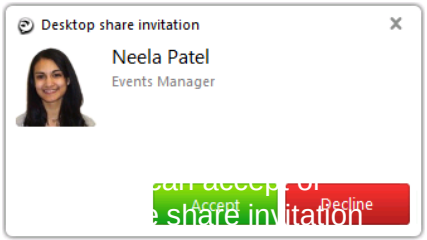
IM Only Screen Share

- Screen share from an IM session
  - No requirement for active call
- Support for multiparty screen share – up to 1 + 5 participants
- Support for Remote Desktop Control
- Independent of telephony mode
  - Softphone mode and deskphone mode supported
- Protocols & Port Numbers
  - IM Screen share capabilities negotiated through xmpp session
  - IM Screen share media selects a random TCP port ranging from 49152 to 65535





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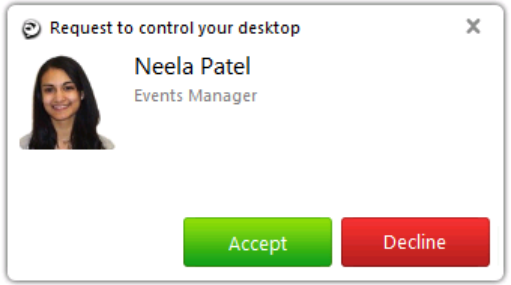
Remote Desktop Control

- IM Only desktop share recipients can request to take control of desktop share initiators remote desktop
- Initiator is prompted to accept the remote control request
- Share recipient can release control
- Initiator can revoke control at any time



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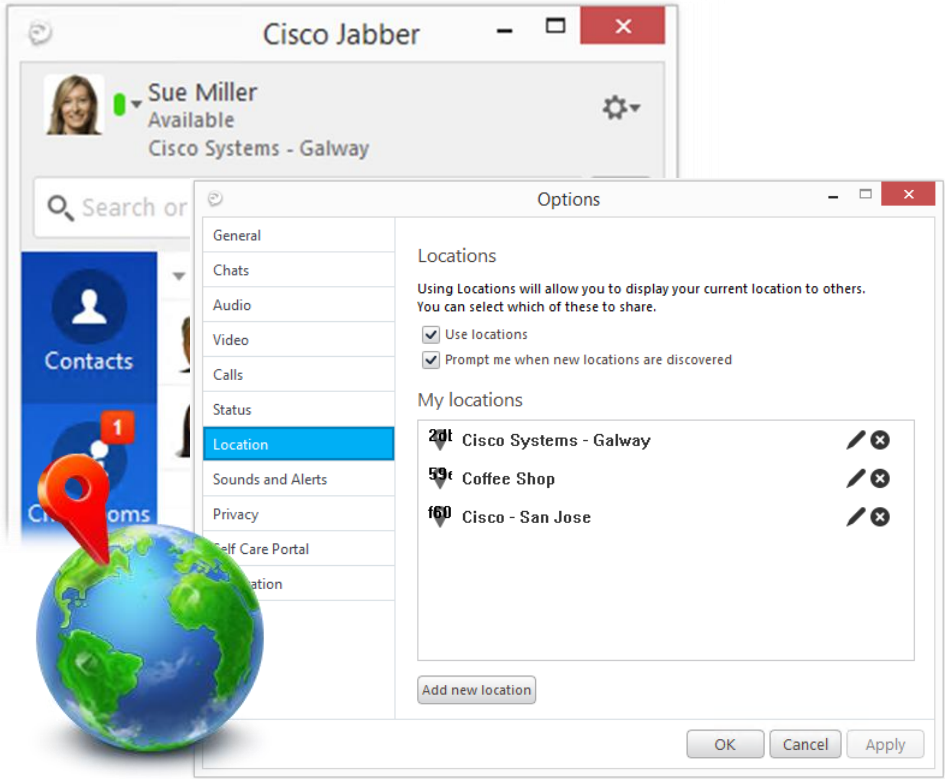
Location: Display Current Location



- User can assign a Location name, address & time zone for each network* location detected by Jabber to show contacts where they are working.
- Feature can be disabled by both admin and user. User can choose which locations to publish
- Most recent active client will be the published location
- Mobile Jabber location will be @mobile, not geolocation

*Network location - Each unique subnet & Default gateway Mac address pair

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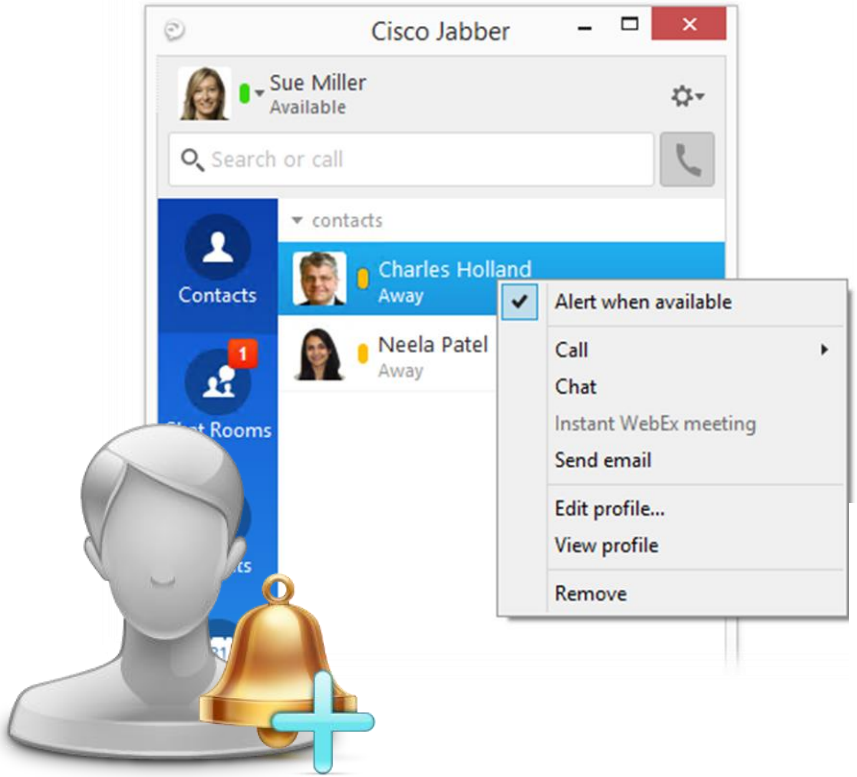
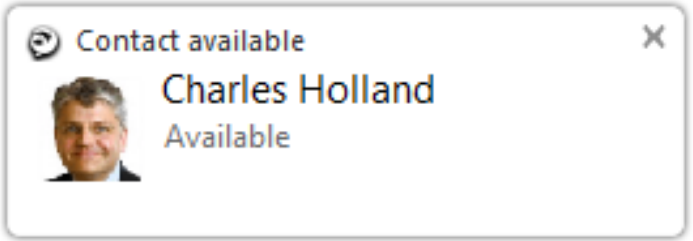
Contacts: Alert When Available



- Feature allows user to request an alert when a contact becomes available
- Feature activated using right click menu and selecting “Alert when available”
- When contact becomes available a persistent notification is shown on users screen until acknowledged
- Once notified, alert will be reset



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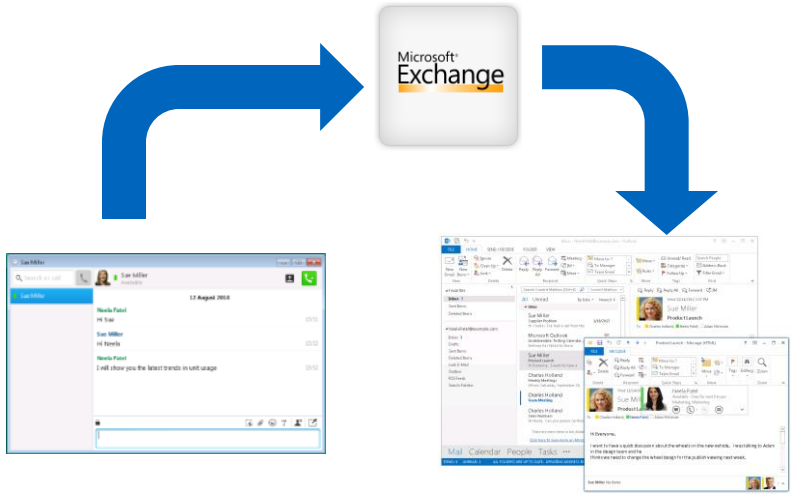
Save Chat to Outlook

- Jabber for Windows 10.6 allows chat history to be automatically stored in a Microsoft Exchange folder which can be viewed through Outlook
  - Jabber connects to Exchange via Exchange Web Services (EWS)
- Supported with Exchange 2010 and 2013
- Jabber can discover Exchange server via
  - Autodiscovery based on Services Domain
  - jabber-config.xml file
  - Manual entry (enduser)
- Jabber can authenticate with Exchange using
  - OS level SSO
  - Credential Syncing with UC Service
  - Manual authentication (enduser)
- Feature can be enabled/disabled by an administrator or enduser



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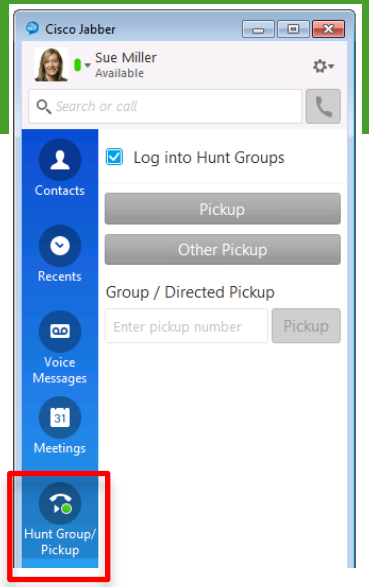
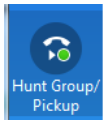
Hunt Group

- “Hunt Groups enable incoming calls to be directed to a group of users”
- Supported on Jabber for Windows (softphone mode)
- New tab to access Hunt Group Log in/Out checkbox
- Enabled by a jabber-config key

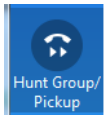
```
<Options>
 <EnableHuntGroup>True</EnableHuntGroup>
</Options>
```

- Tab also used for Call Pickup and Group Pickup feature

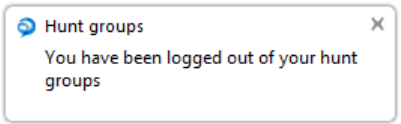




Logged into Hunt Groups



Not logged into Hunt Groups



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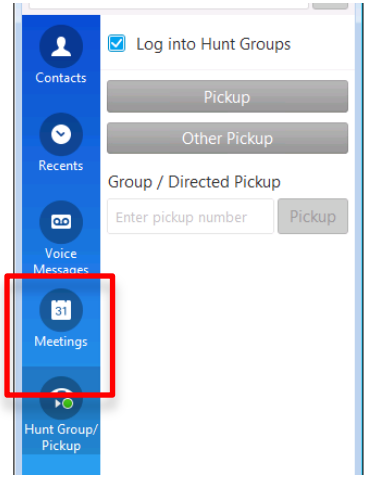
Call Pickup / Group Pickup / Directed Group Pickup

- Call Pickup allows users to pick up incoming calls within their own group
- Group Pickup allows users to pick up an incoming call to another associated group
- Directed Call Pickup allows users to pick up incoming calls to another group by way of group DN
- Utilises same tab as Hunt Group
- Hunt Group is not a requirement
- Enabled by a new jabber-config key




```
<Options>
    <EnableCallPickup>True</EnableCallPickup>
    <EnableGroupCallPickup>True</EnableGroupCallPickup>
    <EnableOtherGroupPickup>True</EnableOtherGroupPickup>
</Options>
```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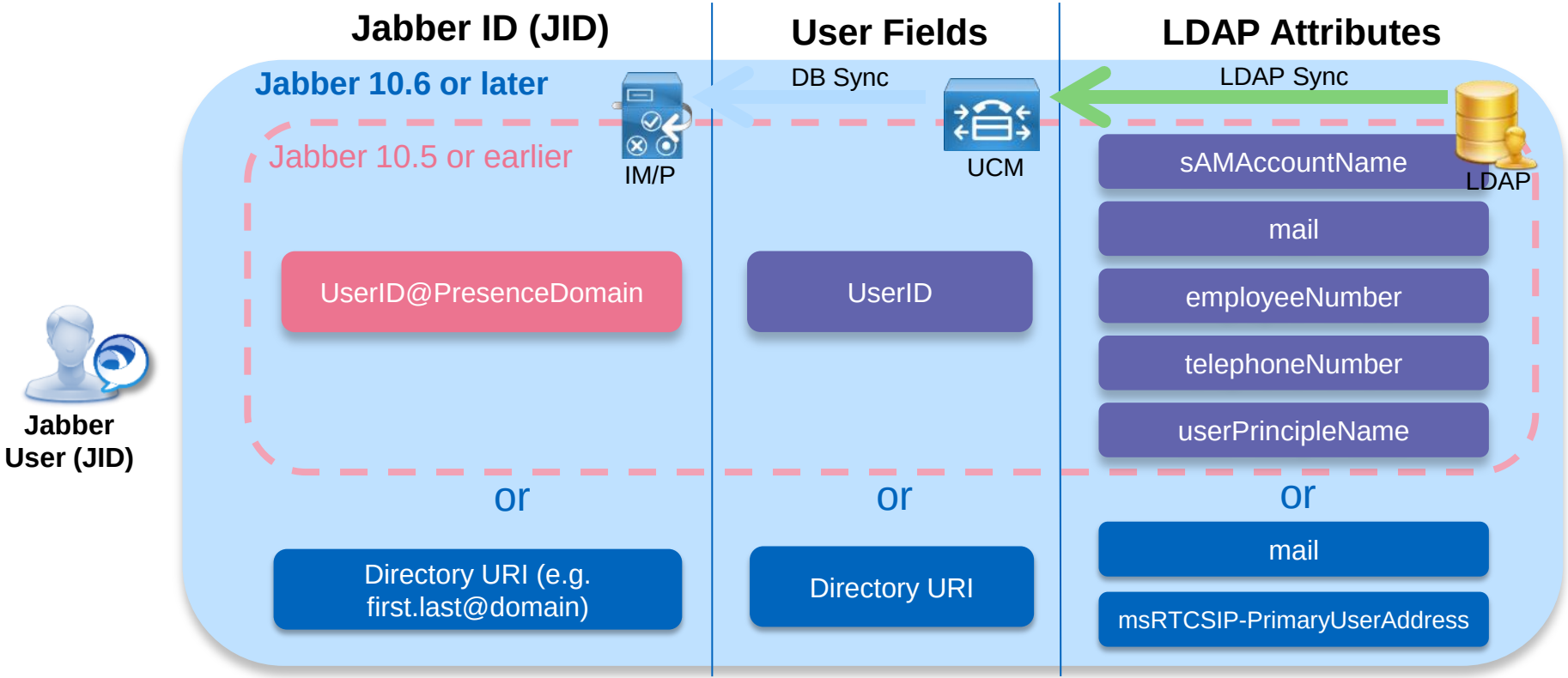
Flexible Jabber ID (JID) Structure



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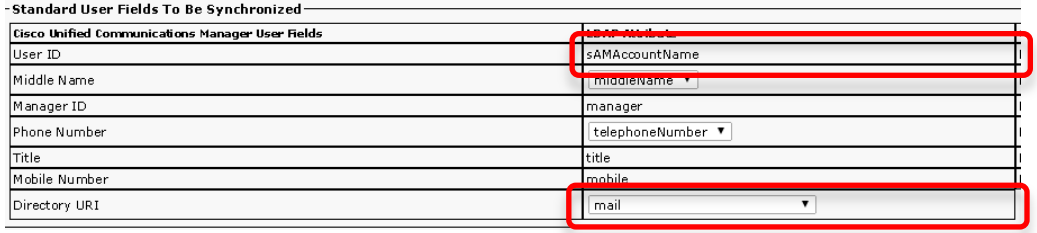
Flexible Jabber ID (JID) Structure

EXAMPLE: UserID:smiller **JID:**sue.miller@example.com

UC Manager LDAP Directory Settings



LDAP Sync

AD
example.com

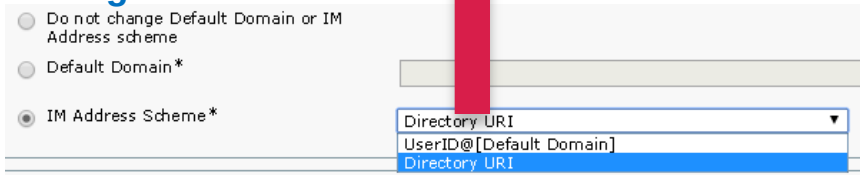
sAMAccountname
mail

IM&P

DB Sync
mail

CUCM

Advanced Presence Settings



Jabber client

Jabber-config.xml

Need to configure Jabber to use SIP URI to resolve contacts!!!

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Flexible Jabber ID (JID) Structure - Summary

Cisco Connect

- Provides Admin more flexibility over JID definition
- **Multiple JID domains in the same deployment are supported**
  - first.last@domain1.com
  - username@domain2.com
- Privacy settings for Multiple JID domains are not yet supported
- Simplifies Lync to Jabber Migration UserID management where userid not based on sAMAccountName in Lync deployment.
- Supported with Jabber 10.6 + and IM & Presence 10.0 +

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File Transfer Enhancements

Cisco Connect

- Jabber 10.6 introduces a new option for file transfer
- New architecture based on IM & P 10.5.2 Managed File Transfer feature
  - File transfers are stored to external file server
  - Audit logs written to external database
  - Feature supported on Jabber for Windows, Mac, Android and IOS
- Feature includes the following
  - Group Chat support of File Transfer
  - Persistent Chat Room support of File Transfer
  - Support of Compliance & Policy control of File Transfer
  - Admin control of maximum file transfer size
- In pre IM & P 10.5.2 environments, file transfer will revert to point to point model (Jabber for Windows)
- Point to Point based file transfer is available for mixed deployments
  - Can be configured on IM & Presence

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What's New in Jabber 10.6 for Mobile

Cisco Connect

- SAMLv2 SSO over Cisco Expressway
- Flexible Jabber ID (JID) & multiple IM address domain support
- File transfer with 3rd party cloud storage system integration
- BFCP-based desktop sharing (receive only on tablets)
- Answer without unlocking on iOS
- Real-time audio/video statistics

- Call Park
- SRST Failover
- More smartphones & tablets (including iPhone 6 & 6 Plus)
- Cisco DX Series support

Available Today

New Android tablets:
Samsung Galaxy Tab Pro 8.4 & 10.1
Samsung Galaxy Tab S 8.4 & 10.5
Samsung Galaxy Tab 3 8.0
Samsung Galaxy Tab 4 7.0, 8.0 & 10.1
Google Nexus 7
Sony Xperia Z2 Tablet
Cisco DX Series

New Android smartphones:
Samsun Galaxy S5 Mini
Samsung Galaxy Note 4
Sony Xperia Z3
HTC One Max
HTC One M7 & M8
LG G3

Android 5.0 Lollipop support

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Jabber Guest Update

Jabber Family Overview…Enterprise & Guest Users

Cisco Connect

Guest Users

Web Browser

Mobile Apps

DMZ

Cisco Expressway

Enterprise Workers

Call Control: SIP	Presence & IM: XMPP	Meetings, Conferencing	Voice Messaging
• Cisco Unified Communications Manager (UCM) • Cisco TelePresence® Video Communication Server (VCS … via UCM)	• Unified Presence • WebEx Connect service (SaaS)	• WebEx (SaaS) • TelePresence MCU	• Unity Connection

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Jabber Guest Status

- 10.0 released in June 2014
- 10.5 released December 2014
  - Upgrade available via Cisco.com download
  - New orders receive 10.5 (physical media or eDelivery)
- Android support is in progress
  - Access beta in Early Adopter Program available via Customer Connection Program (CCP)

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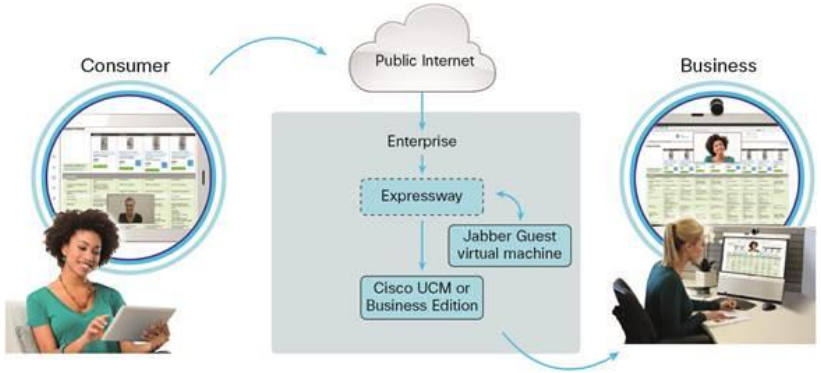
Video Care with Jabber Guest

Functionality

- Two way video interaction using Jabber Guest
- Video in queue (non-interactive) using hold step and VoH
- Finesse for Agent desktop
- Normal Unified CCX reports for Video calls
- Audio only
  - Silent monitoring
  - Recording with UCM based recording
  - Interaction for initial IVR treatment
- Intercept, conference and barge in with Video requires MCU



Simple to Deploy

- Simple to configure web URI for the website or SDK for iOS application

Packaging

- Collab Edge infrastructure required along with Jabber Guest
- Video on Hold needs MediaSense
- Finesse Only
- 10.5(1)SU1 and later
- Endpoint support for 89xx, 99xx, DX650, EX series

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Webex Update

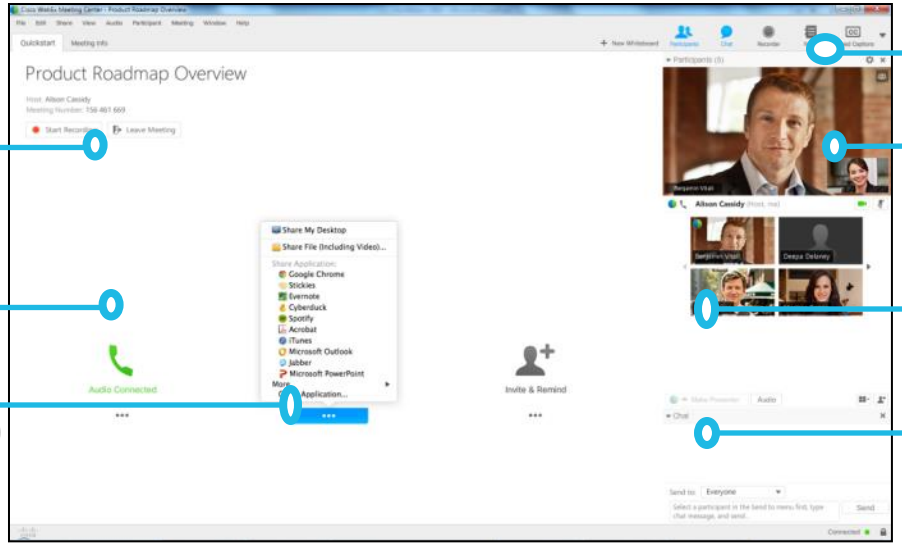
New modern skin & clean layout (T29.x release)

Cisco Connect

NBR Recording

Audio options

Document and File Sharing (+ video file)



Management, Editing options

H264 SVC Video

Participant List (VoIP, PSTN, mobile, video) See who is talking or thumbnails

Chat, Q&A, Pools (Breakouts and more)

New Clean Layout

- Liquid & flexible meeting window layout (50/50)
- New icons, fonts & colors
- Consolidated controls in Quick Start
- Updated Audio dialog
- Desktop/Application Sharing in a tab in meeting window
- New icons in Floating Icon Tray (FIT)
- Dual Monitor support

Usability enhancements

- Turn off Audio Beeps/Announce Name within a meeting
- Allow Host to leave meeting without ending it
- When first attendee becomes presenter, the presenter role automatically passes to the Host when they join, if there is no sharing
- Disable screen saver when sharing is going on
- Start Meeting with *video enabled*

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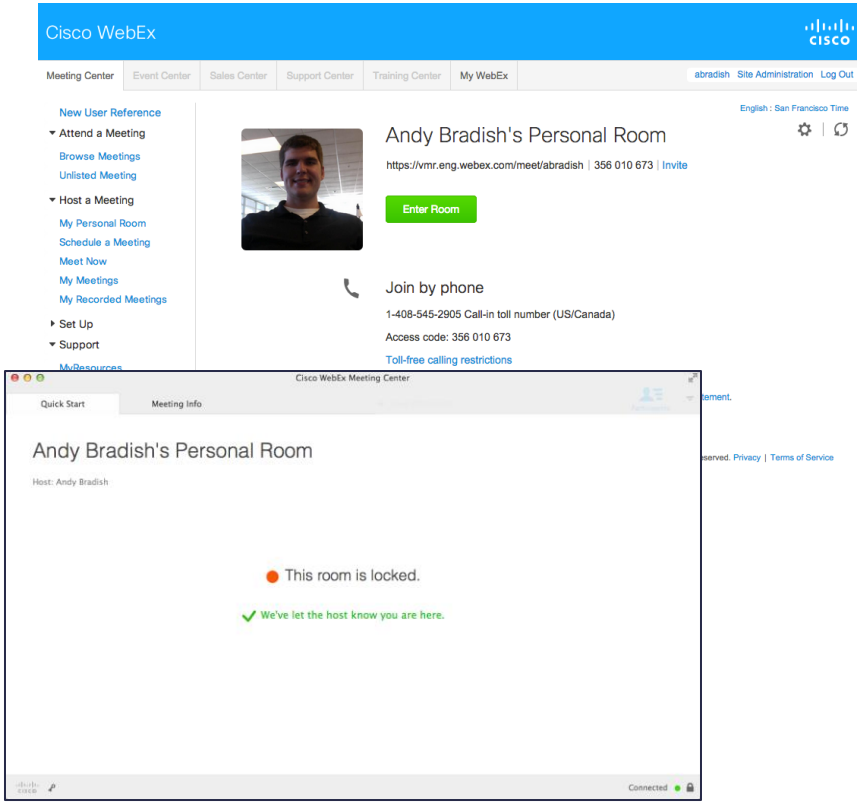
Personal Room for WebEx Meeting Center
What is it?

- Your own MC meeting with a vanity meeting link (link & meeting # do not change)
  - cisco.webex.com/meet/jsmith

- Link never changes (unless you want it to)
- Host can manage attendees*
  - Lock/unlock room much more prominent
  - Manage attendees waiting in the Lobby



*Available on Windows & Mac

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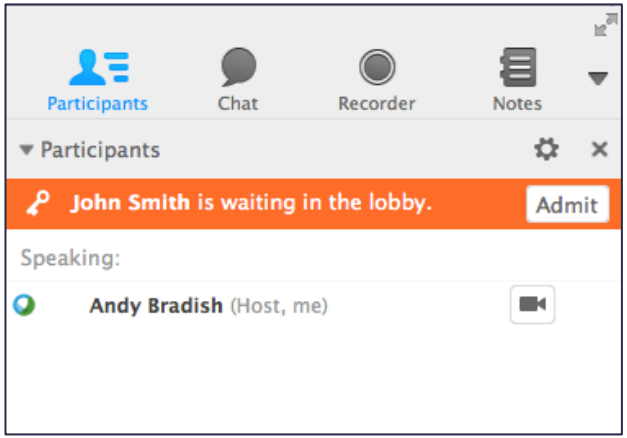
Host Lobby Management (Windows/Mac/iOS/Android)

Cisco Connect

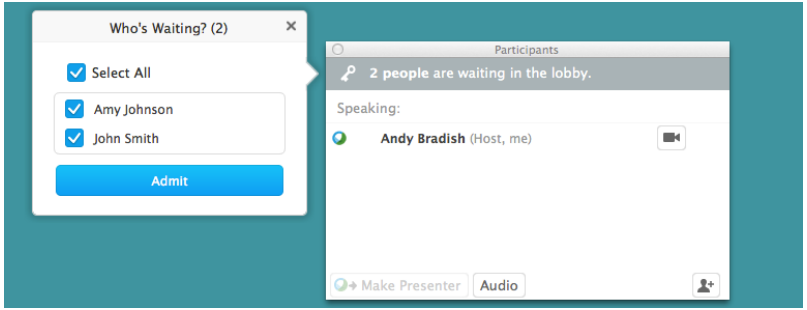
Quickly admit one user who joined your meeting when not sharing



Manage all users in your Lobby at once

1. Let them all in or one at a time

2. Right click to eject

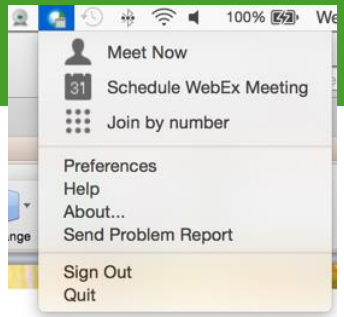


Notification while sharing (click this message to bring up your entire Lobby)

Mac Productivity Tools Update

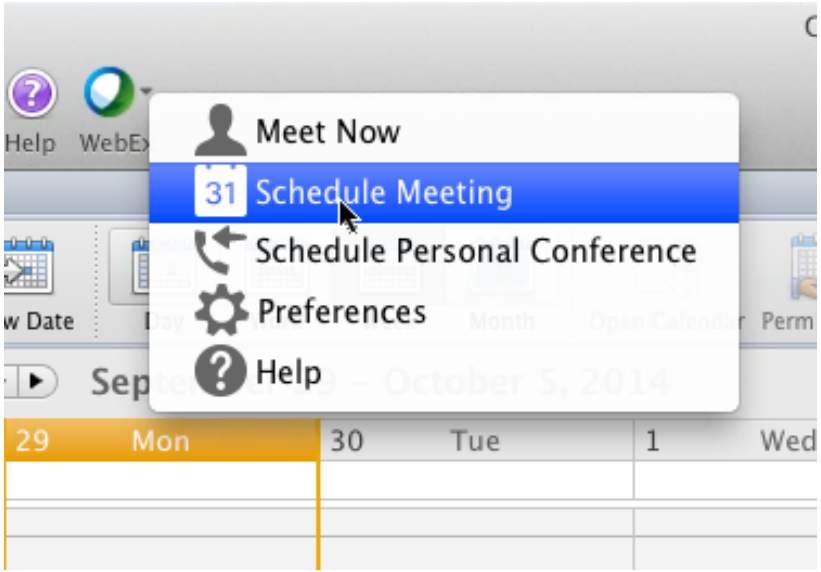
Bringing Mac Productivity Tools up to par with Windows

Cisco Connect



Mac Productivity Tools now fully support all advanced scheduling features.

- Audio options
- Alternate host
- Schedule On Behalf Of
- Create and edit exception meetings
- Users can use their Personal Room at any time from their desktop
- Localization and accessibility updates



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Collaboration Meeting Rooms Deployment Options

Cisco Connect

CMR Premises

TelePresence on Premises

CMR Hybrid

TelePresence on Premises plus Cisco WebEx

CMR Cloud

Conferencing all in WebEx Cloud

◄ POCKET | | BOARDROOM ►

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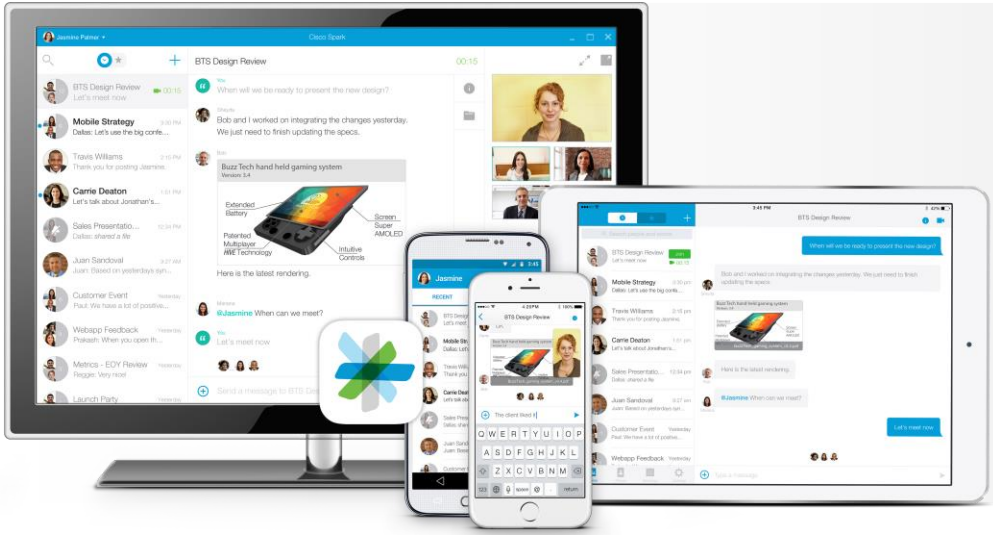
Spark

Introducing Cisco Spark



An app that instantly creates a place for teams to work together, where their work can live, and a way to stay connected to it all

Making Teamwork Simpler.

- Unlimited virtual rooms
- Persistent and secure messaging and file sharing
- Face-to-face meetings with screen sharing
- Superior business class experience

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Get Work Done Faster

Cisco Connect

Quickly Scan Shared Files

See files instantly without a download to get to the important information fast

Add Files Even While Mobile

Share a photo or add a file from your Box folders directly into your rooms

Persistent Content and Context

Review previously shared messages and files at any time

Consistent and Easy to Use Experience on Every Device

Cisco Spark for:

- iPad and iPhone
- Android
- Web
- Windows
- Mac

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Spark Subscription Offers

Cisco Connect

Free

Unlimited rooms and participants

1:1 and group messaging

File sharing

Face-to-face meetings in rooms of up to 3 participants

Mobile calendar and contacts integration

Online self service

End to end content encryption

Subscriptions

	Message	Message and Meet
Room moderation and external participant notifications	✓	✓
Single Sign-On (SSO) and directory sync	✓	✓
Live support	✓	✓
Meetings in rooms with up to 25 participants	--------	✓
WebEx Meeting Center or Enterprise Edition	--------	✓

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Nagradno pitanje #1

Koje godine je košarkaški klub Cibona postala prvi put prvak Evrope?

Nagradno pitanje #2

Najpoznatiji košarkaš KK Zadar bio je ...?

Nagradno pitanje #3

Nabrojte bar tri igrača KK Spilt koji su osvojili Evroligu?

CISCO